

Rent Numerical Analysis 9th Edition

Widely acknowledged, this popular and detailed text is a comprehensive treatise on Managerial Economics - both micro and macro-economic aspects. This text ensures a thorough understanding of core concepts before advancing to provide an expanded treatment of topics. It explains the economic environment and the impact on managerial decisions regarding price & output determination in different market structures followed by an account of the behaviour of individuals under conditions of uncertainty.

Steven Chapra's second edition, *Applied Numerical Methods with MATLAB for Engineers and Scientists*, is written for engineers and scientists who want to learn numerical problem solving. This text focuses on problem-solving (applications) rather than theory, using MATLAB, and is intended for Numerical Methods users; hence theory is included only to inform key concepts. The second edition feature new material such as Numerical Differentiation and ODE's: Boundary-Value Problems. For those who require a more theoretical approach, see Chapra's best-selling *Numerical Methods for Engineers*, 5/e (2006), also by McGraw-Hill.

Part of the new Digital Filmmaker Series! *Digital Filmmaking: An Introduction* is

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the first book in the new Digital Filmmaker Series. Designed for an introductory level course in digital filmmaking, it is intended for anyone who has an interest in telling stories with pictures and sound and won't assume any familiarity with equipment or concepts on the part of the student. In addition to the basics of shooting and editing, different story forms are introduced from documentary and live events through fictional narratives. Each of the topics is covered in enough depth to allow anyone with a camera and a computer to begin creating visual projects of quality.

NOTE: The Binder-ready, Loose-leaf version of this text contains the same content as the Bound, Paperback version. Fundamentals of Fluid Mechanics, 8th Edition offers comprehensive topical coverage, with varied examples and problems, application of visual component of fluid mechanics, and strong focus on effective learning. The text enables the gradual development of confidence in problem solving. The authors have designed their presentation to enable the gradual development of reader confidence in problem solving. Each important concept is introduced in easy-to-understand terms before more complicated examples are discussed. Continuing this book's tradition of extensive real-world applications, the 8th edition includes more Fluid in the News case study boxes in each chapter, new problem types, an increased number of real-world photos, and

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additional videos to augment the text material and help generate student interest in the topic. Example problems have been updated and numerous new photographs, figures, and graphs have been included. In addition, there are more videos designed to aid and enhance comprehension, support visualization skill building and engage students more deeply with the material and concepts. For one-semester sophomore- or junior-level courses in Differential Equations. An introduction to the basic theory and applications of differential equations Fundamentals of Differential Equations presents the basic theory of differential equations and offers a variety of modern applications in science and engineering. This flexible text allows instructors to adapt to various course emphases (theory, methodology, applications, and numerical methods) and to use commercially available computer software. For the first time, MyLab(TM) Math is available for this text, providing online homework with immediate feedback, the complete eText, and more. Note that a longer version of this text, entitled Fundamentals of Differential Equations and Boundary Value Problems, 7th Edition , contains enough material for a two-semester course. This longer text consists of the main text plus three additional chapters (Eigenvalue Problems and Sturm--Liouville Equations; Stability of Autonomous Systems; and Existence and Uniqueness Theory). Also available with MyLab Math MyLab(TM) Math is an online

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homework, tutorial, and assessment program designed to work with this text to engage students and improve results. Within its structured environment, students practice what they learn, test their understanding, and pursue a personalized study plan that helps them absorb course material and understand difficult concepts. Note: You are purchasing a standalone product; MyLab does not come packaged with this content. Students, if interested in purchasing this title with MyLab, ask your instructor for the correct package ISBN and Course ID.

Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MyLab, search for: 0134768744 / 9780134768748 Fundamentals of Differential Equations plus MyLab Math with Pearson eText -- Title-Specific Access Card Package, 9/e Package consists of: 0134764838 / 9780134764832 MyLab Math with Pearson eText -- Standalone Access Card -- for Fundamentals of Differential Equations 0321977068 / 9780321977069 Fundamentals of Differential Equations

Master the core concepts and applications of foundation analysis and design with Das/Sivakugan's best-selling PRINCIPLES OF FOUNDATION ENGINEERING, 9th Edition. Written specifically for those studying undergraduate civil engineering, this invaluable resource by renowned authors in the field of geotechnical engineering provides an ideal balance of today's most current

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research and practical field applications. A wealth of worked-out examples and figures clearly illustrate the work of today's civil engineer, while timely information and insights help readers develop the critical skills needed to properly apply theories and analysis while evaluating soils and foundation design. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Brief Java: Early Objects, 9th Edition focuses on the essentials of effective learning and is suitable for a two-semester introduction to programming sequence. This text requires no prior programming experience and only a modest amount of high school algebra. Objects and classes from the standard library are used where appropriate in early sections with coverage on object-oriented design starting in Chapter 8. This gradual approach allows students to use objects throughout their study of the core algorithmic topics, without teaching bad habits that must be un-learned later. Choosing the enhanced eText format allows students to develop their coding skills using targeted, progressive interactivities designed to integrate with the eText. All sections include built-in activities, open-ended review exercises, programming exercises, and projects to help students practice programming and build confidence. These activities go far beyond simplistic multiple-choice questions and animations. They have been designed to

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guide students along a learning path for mastering the complexities of programming. Students demonstrate comprehension of programming structures, then practice programming with simple steps in scaffolded settings, and finally write complete, automatically graded programs. The perpetual access VitalSource Enhanced eText, when integrated with your school's learning management system, provides the capability to monitor student progress in VitalSource SCORECenter and track grades for homework or participation. Enhanced eText and interactive functionality available through select vendors and may require LMS integration approval for SCORECenter.

This well-respected text gives an introduction to the theory and application of modern numerical approximation techniques for students taking a one- or two-semester course in numerical analysis. With an accessible treatment that only requires a calculus prerequisite, Burden and Faires explain how, why, and when approximation techniques can be expected to work, and why, in some situations, they fail. A wealth of examples and exercises develop students' intuition, and demonstrate the subject's practical applications to important everyday problems in math, computing, engineering, and physical science disciplines. The first book of its kind built from the ground up to serve a diverse undergraduate audience, three decades later Burden and Faires remains the definitive introduction to a

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vital and practical subject. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Praised for its accessible tone and extensive problem sets, this trusted text familiarizes students with the universal principles of engineering economics. This essential introduction features a wealth of specific Canadian examples and has been fully updated with new coverage of inflation and environmental stewardship as well as a new chapter on project management.

The seventh edition of *Introduction to Health Services* builds upon its reputation as a classic book written by nationally recognized authors. This new edition addresses the increasing pressure to improve the efficiency of the nation's health care system and to provide an adequate level of health care for all Americans.

The seventh edition reflects the revolutionary changes in the practice of clinical medicine, government policy, information technology, and health care cost containment. In-depth information in the areas of health care finance, health care access, managed care, and insurance and home health is also provided.

Research and statistics throughout make this book the premier reference for understanding all the services that compose the health care landscape. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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Order of authors reversed on previous eds.

A traditional book with a modern feel, market-leading APPLIED CALCULUS FOR THE MANAGERIAL, LIFE, AND SOCIAL SCIENCES: A BRIEF APPROACH, Ninth Edition, teaches by application and uses real-world examples to motivate students. It combines solid theory with innovative technology, includes a robust supplement package, and offers unmatched flexibility that caters to both traditional and modern practitioners. Accessible for majors and non-majors alike, the new Ninth Edition utilizes an intuitive approach that marries real-life instances to what would otherwise be abstract concepts. This is the focus of new and insightful Portfolio features, which highlight the careers of actual persons and discuss how they incorporate math into their daily operations. Numerous exercises, including Diagnostic Tests, ensure that students have a solid understanding of textbook information before advancing to the next topic. Plus, algebra review notes which refer to the Preliminaries chapter appear where you need them, when you need them. And by offering a powerful array of supplements such as Enhanced WebAssign, the new Ninth Edition enables students to maximize their study time and succeed in class. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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1. Defining and Comparing the Psychotherapies. 2. Psychoanalysis. 3. Psychodynamic Therapies. 4. Existential Therapies. 5. Person-Centered Therapy. 6. Gestalt and Experiential Therapies. 7. Interpersonal Therapies. 8. Exposure and Flooding Therapies. 9. Behavior Therapies. 10. Cognitive Therapies. 11. Systemic Therapies. 12. Gender- and Culture-Sensitive Therapies. 13. Constructivist Therapies: Solution Focused and Narrative. 14. Integrative and Eclectic Therapies. 15. Comparative Conclusions: Toward a Transtheoretical Therapy. 16. Future of Psychotherapy. Appendix: An Alternative Table of Contents.

Ed Sarafino and Timothy Smith draw from the research and theory of multiple disciplines in order to effectively demonstrate how psychology and health impact each other. The newly updated 9th Edition of *Health Psychology: Biopsychosocial Interactions* includes a broader picture of health psychology by presenting cross-cultural data. Furthermore, international examples are also included to further explore the psychologist's perspective of health issues around the world and highlight what works in the field. The psychological research cited in the text supports a variety of behavioral, physiological, cognitive, and social/personality viewpoints. An emphasis on lifespan development in health and illness is integrated throughout the text.

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The Student Solutions Manual contains worked-out solutions to many of the problems. It also illustrates the calls required for the programs using the algorithms in the text, which is especially useful for those with limited programming experience.

This seventh edition of Soil Mechanics, widely praised for its clarity, depth of explanation and extensive coverage, presents the fundamental principles of soil mechanics and illustrates how they are applied in practical situations. Worked examples throughout the book reinforce the explanations and a range of problems for the reader to solve provide further learning opportunities.

Authors Ward Cheney and David Kincaid show students of science and engineering the potential computers have for solving numerical problems and give them ample opportunities to hone their skills in programming and problem solving. NUMERICAL MATHEMATICS AND COMPUTING, 7th Edition also helps students learn about errors that inevitably accompany scientific computations and arms them with methods for detecting, predicting, and controlling these errors. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

"Linear Algebra with Applications by W. Keith Nicholson, traditionally published for many years is now being released as an open educational resource and part of Lyryx with Open Texts! Supporting today's students and instructors requires much more than a textbook, which is why Dr. Nicholson opted to work with Lyryx Learning. Overall, the aim of the textbook is to achieve a balance among computational skills, theory, and applications of linear algebra. It is a relatively advanced introduction to the ideas and techniques of linear algebra targeted for science and engineering students who need to understand not only how to use these methods

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but also gain insight into why they work. The contents have enough flexibility to present a traditional introduction to the subject, or to allow for a more applied course. Chapters 1–4 contain a one-semester course for beginners whereas Chapters 5–9 contain a second semester course. The textbook is primarily about real linear algebra with complex numbers being mentioned when appropriate (reviewed in Appendix A)."--BCcampus website.

This excellent text for advanced undergraduate and graduate students covers norms, numerical solutions of linear systems and matrix factoring, eigenvalues and eigenvectors, polynomial approximation, and more. Many examples and problems. 1966 edition. Differential equations and linear algebra are two central topics in the undergraduate mathematics curriculum. This innovative textbook allows the two subjects to be developed either separately or together, illuminating the connections between two fundamental topics, and giving increased flexibility to instructors. It can be used either as a semester-long course in differential equations, or as a one-year course in differential equations, linear algebra, and applications. Beginning with the basics of differential equations, it covers first and second order equations, graphical and numerical methods, and matrix equations. The book goes on to present the fundamentals of vector spaces, followed by eigenvalues and eigenvectors, positive definiteness, integral transform methods and applications to PDEs. The exposition illuminates the natural correspondence between solution methods for systems of equations in discrete and continuous settings. The topics draw on the physical sciences, engineering and economics, reflecting the author's distinguished career as an applied mathematician and expositor. This manual contains worked-out solutions to many of the problems in the text. For the complete manual, go to www.cengagebrain.com/.

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Well-known, respected introduction, updated to integrate concepts and procedures associated with computers. Computation, approximation, interpolation, numerical differentiation and integration, smoothing of data, more. Includes 150 additional problems in this edition.

This package (book + CD-ROM) has been replaced by the ISBN 0321388410 (which consists of the book alone). The material that was on the CD-ROM is available for download at <http://aw-bc.com/nss> Fundamentals of Differential Equations presents the basic theory of differential equations and offers a variety of modern applications in science and engineering. Available in two versions, these flexible texts offer the instructor many choices in syllabus design, course emphasis (theory, methodology, applications, and numerical methods), and in using commercially available computer software. Fundamentals of Differential Equations, Seventh Edition is suitable for a one-semester sophomore- or junior-level course. Fundamentals of Differential Equations with Boundary Value Problems, Fifth Edition, contains enough material for a two-semester course that covers and builds on boundary value problems. The Boundary Value Problems version consists of the main text plus three additional chapters (Eigenvalue Problems and Sturm-Liouville Equations; Stability of Autonomous Systems; and Existence and Uniqueness Theory).

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Now in its eighth edition, Higher Engineering Mathematics has helped thousands of students succeed in their exams. Theory is kept to a minimum, with the emphasis firmly placed on problem-solving skills, making this a thoroughly practical introduction to the advanced engineering mathematics that students need to master. The extensive and thorough topic coverage makes this an ideal text for upper-level vocational courses and for undergraduate degree courses. It is also supported by a fully updated companion website with resources for both students and lecturers. It has full solutions to all 2,000 further questions contained in the 277 practice exercises.

Now revised with a stronger emphasis on applications and more problems, this new Fourth Edition gives readers the opportunity to analyze, design, and evaluate linear circuits right from the start. The book's abundance of design examples, problems, and applications, promote creative skills and show how to choose the best design from several competing solutions. * Laplace first. The text's early introduction to Laplace transforms saves time spent on transitional circuit analysis techniques that will be superseded later on. Laplace transforms are used to explain all of the important dynamic circuit concepts, such as zero state and zero-input responses, impulse and step responses, convolution, frequency response, and Bode plots, and analog filter design. This approach

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provides students with a solid foundation for follow-up courses.

NOTE: This edition features the same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value-this format costs significantly less than a new textbook. Before purchasing, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. For junior/senior undergraduates taking probability and statistics as applied to engineering, science, or computer science. This classic text provides a rigorous introduction to basic probability theory and statistical inference, with a unique balance between theory and methodology. Interesting, relevant applications use real data from actual studies, showing how the concepts and methods can be used to solve problems in the field. This revision focuses on improved clarity and deeper understanding. This latest edition is also available in as an enhanced Pearson eText. This exciting new version features an embedded version of StatCrunch, allowing students to analyze data sets while reading the book. Also available with MyStatLab

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MyStatLab(tm) is an online homework, tutorial, and assessment program designed to work with this text to engage students and improve results. Within its structured environment, students practice what they learn, test their understanding, and pursue a personalized study plan that helps them absorb course material and understand difficult concepts. Note: You are purchasing a standalone product; MyLab(tm) & Mastering(tm) does not come packaged with this content. Students, if interested in purchasing this title with MyLab & Mastering, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information.

An excellent resource for investors, *Modern Portfolio Theory and Investment Analysis, 9th Edition* examines the characteristics and analysis of individual securities as well as the theory and practice of optimally combining securities into portfolios. A chapter on behavioral finance is included, aimed to explore the nature of individual decision making. A chapter on forecasting expected returns, a key input to portfolio management, is also included. In addition, investors will find material on value at risk and the use of simulation to enhance their understanding of the field.

This text emphasizes the intelligent application of approximation techniques to the type of problems that commonly occur in engineering and the physical

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sciences. The authors provide a sophisticated introduction to various appropriate approximation techniques; they show students why the methods work, what type of errors to expect, and when an application might lead to difficulties; and they provide information about the availability of high-quality software for numerical approximation routines. The techniques covered in this text are essentially the same as those covered in the Sixth Edition of these authors' top-selling Numerical Analysis text, but the emphasis is much different. In Numerical Methods, Second Edition, full mathematical justifications are provided only if they are concise and add to the understanding of the methods. The emphasis is placed on describing each technique from an implementation standpoint, and on convincing the student that the method is reasonable both mathematically and computationally.

Market_Desc: · Physicists and Engineers· Students in Physics and Engineering
Special Features: · Covers everything from Linear Algebra, Calculus, Analysis, Probability and Statistics, to ODE, PDE, Transforms and more· Emphasizes intuition and computational abilities· Expands the material on DE and multiple integrals· Focuses on the applied side, exploring material that is relevant to physics and engineering· Explains each concept in clear, easy-to-understand steps
About The Book: The book provides a comprehensive introduction to the areas of mathematical physics. It combines all the essential math concepts into one compact, clearly written reference. This book helps readers gain a solid foundation in the many

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areas of mathematical methods in order to achieve a basic competence in advanced physics, chemistry, and engineering.

"The authors carefully considered how to thoughtfully and meaningfully integrate data analytics into the financial accounting course, and are pleased to provide the following data analytics resources. Data Analytics and Decision-Making The text provides numerous discussions on how decision-makers are increasingly relying on data analytics to make decisions using accounting information. Accounting software systems collect vast amounts of data about a company's economic events as well as its suppliers and customers. Business decision-makers take advantage of this wealth of data by using data analytics to gain insights and therefore make more informed business decisions. Data analytics involves analyzing data, often employing both software and statistics, to draw inferences. As both data access and analytical software improve, the use of data analytics to support decisions is becoming increasingly common at virtually all types of companies"--

Offering a solid introduction to the entire modeling process, A FIRST COURSE IN MATHEMATICAL MODELING, 4th Edition delivers an excellent balance of theory and practice, giving students hands-on experience developing and sharpening their skills in the modeling process. Throughout the book, students practice key facets of modeling, including creative and empirical model construction, model analysis, and model research. The authors apply a proven six-step problem-solving process to enhance students' problem-solving capabilities -- whatever their level. Rather than simply emphasizing the calculation step, the authors first ensure that students learn how to identify problems, construct or select models, and figure out what data needs to be collected. By involving students in the mathematical process as early as possible

